PTO/SB/05 (03-01)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

Atton	ney Dock t No.	Y0165-002
	Inventor	Pan, Janet L.
Title	Use of Deep-leve	el Transitions Semiconductor Device
<i></i>	14-41 4 114	E) / 005 4000 45 110

Only for new nonprovision	onal applications under 37 CFR 1.53(L)) E	xpres	s Mail Label No	. EV 2	554982	245 US
:	ATION ELEMENTS		ADI	DRESS TO:	Assistan Box Pate	Commis	sioner for Patents
	ncerning utility patent application conte	ents.				ton, DC 2	
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3. Specification (preferred arrangeme - Descriptive title - Cross Referen - Statement Reg - Reference to s or a computer - Background of - Brief Summany - Brief Descripti - Detailed Descripti - Detailed Descripti - Claim(s) - Abstract of the 4. Drawing(s) (35 to 5. Oath or Declaration a. Newly execution - Copy from a few continues of the signed states of the sign	[Total Pages 75] Int set forth below) Int set forth below be]]	(ff a. [b. c.] 9. [10. [12. [14. [15. [applicable, all nece Computer Re Specification Seque I. CD-Re II. paper Statements ve	ssary) adable Forman American Science Listing DM or CD erifying id NG APF apers (cover) Statement an assignation Document Solosure S)/PTO-1 mendment Postcare ecifically in the proper science of Priority is claimed.	rm (CRFing on: R (2 copentity of a PLICAT rer sheet ent ene) ument (if the ent ene) d (MPEP emized) y Document ened)	ies); or above copies ION PARTS & document(s)) Power of Attorney applicable) Copies of IDS Citations 503) ent(s)
1.63(d)(2)	a Sheet. See 37 CFR 1.76		16. L	(b)(2)(B)(i). Ap or its equivale Other:	plicant m	ust attach	o 0.3.0. 122 n form PTO/SB/35
Continuation Prior application information: For CONTINUATION OR DIVIS Box 5b, is considered a part of	ICATION, check appropriate box, and eet under 37 CFR 1.76: Divisional Continuation-in-part (Examiner: IONAL APPS only: The entire disclosure of the accompanying or relied upon when a portion has been in:	of the p	rior appl	of prior application No.: Group Art Ication, from which a	Unit:	declaratio	-
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Country	USA	Teleph	one	212-336-200	0	Fax	212-336-2222
Name (Print/Type)	David Garrod		Regis	stration No. (Attor	ney/Age	nt)	35,149
Signature	Les S				Date	9 09/0	04/2003

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JAN 2 6 2004

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 375.00

C	omplete if Known
Application Number	N/A
Filing Date	Filed Herewith
First Named Inventor	Pan, Janet L.
Examiner Name	N/A
Art Unit	N/A
Attorney Docket No.	Y0165-002

METHOD OF PAYMENT (check all that apply)				FEE	CALCULATION (continued)	
Check Credit card Money Other None	3. AI	DDITI	ONAL	. FEE	S	
Deposit Account:	<u>Large I</u>			Entity		
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Account Number	1051	130	2051		Surcharge - late filing fee or oath	ree Palu
Deposit Account	1052	50	2052		Surcharge - late provisional filing fee or cover sheet	
Name The Commissioner is authorized to: (check all that apply)	1053	130	1053		Non-English specification	
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) during the pendency of this application	1804	920*	1804		Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month	
Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension for reply within fourth month	
1001 750 2001 275 11994 599 500	1255	1,970	2255	985	Extension for reply within fifth month	
1002 330 2002 165 Design filing fee \$375.00	1401	320	2401	160	Notice of Appeal	
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$)	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1,300	2453	650	Petition to revive - unintentional	
Fee from	1501	1,300	2501	650	Utility issue fee (or reissue)	
Extra Claims below Fee Paid Total Claims 20 -20** = X =	1502	470	2502	235	Design Issue fee	
Independent 3 2**	1503	630	2503	315	Plant issue fee	
Claims U - 3" =	1460	130	1460	130	Petitions to the Commissioner	
	1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	l 40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be	
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
<u> </u>	Other	fee (sp	ecify) _			
SUBTOTAL (2) (\$) 375.00 **or number previously paid, if greater; For Reissues, see above	*Redu	ced by	Basic I	Filing Fo	ee Paid SUBTOTAL (3) (\$)	
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SUBMITTED BY

Name (Print/Type)

David Garrod

Registration No. (Attornev/Agent)

Signature

(Complete (if applicable)

Telephone 212-336-2183

September 4, 2003

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, YOI 65-002

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10,654/790
Filing Date	09/04/2003
First Named Inventor	Pan, Janet L.
Group Art Unit	N/A
Examiner Name	N/A
Attornov Dookst Number	Y0165-002

Total Number	of Pages in This Subm	ission 15 a	Attorney Docke	t Number	Y0165-002
		ENCL	OSURES	(check	all that apply)
Fee Transmittal For Fee Attached Amendment / Reply After Final Affidavits/de Extension of Time F	d v eclaration(s) Request	Assignm (for an A Petition Petition Provisio Power of Change Address Termina	nent Papers (pplication) (s) g-related Papers to Convert to a nal Application f Attorney, Revoca of Correspondence	ation	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below):
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	SIGNATL	RE OF APPLI	CANT, ATTORN	EY, OR	AGENT
Firm or Individual name Signature	David Garrod	(Reg. No. 3	5,149)		
Date			01/26/	2004	
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nder the Haberwork Reduction Act of 1995, no persons are required to r	espond to a collection of into	rmation unless it displa
FEETRANSMITTAL	Co	omplet if Known
REE KANSIVII I AL	Application Number	10/654,790
for FY 2003	Filing Date	09/04/2003
-	First Named Inventor	Pan, Janet L.
Effective 01/01/2003. Patent fees are subject to annual revision.		21/0

(\$) \$195.00

✓ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

	Jilipiet II Kilowii	
Application Number	10/654,790	
Filing Date	09/04/2003	
First Named Inventor	Pan, Janet L.	
Examiner Name	N/A	
Art Unit	N/A	
Attorney Docket No.	Y0165-002	

METHOD OF PAYMENT (check all that apply)				FEE	ECALCULATION (continued)	
Check Credit card Money Other None	3. AD				S	
Deposit Account:	Large E					
Deposit 40,000		Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account 10-0033 Number	1051	130	2051	65	Surcharge - late filing fee or oath	\$65.00
Deposit Account	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
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Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
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Extra Claims below Fee Paid Total Claims 16 200** = X	1502	470	2502		Design issue fee	
Independent S	1503	630	2503	315	Plant issue fee	
1	1460	130	1460	130	Petitions to the Commissioner	\$130.00
	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
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1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3	1809	750	2809	375	Filing a submission after final rejection	
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	275	(37 CFR 1.129(a)) For each additional invention to be	
1204 84 2204 42 ** Reissue independent claims	1010	750	2010	313	examined (37 CFR 1.129(b))	
over original patent	1801	750	2801	375	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$)	Other f					
**or number previously paid, if greater; For Reissues, see above	*Reduc	ced by	Basic F	iling F	ee Paid SUBTOTAL (3) (\$) \$130	.00

SUBMITTED BY (Complete (if applicable) Registration No. **David Garrod** Telephone 212-336-2183 Name (Print/Type) 35,149 Date 12/23/2003 Signature

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01-28-04

QRNEY DKT NO.: Y0165-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

icants:

Pan, Janet L.

Group Art Unit:

N/A

U.S. Serial No.:

10/654,790

Examiner:

N/A

Filed:

09/04/2003

Title:

USE OF DEEP-LEVEL TRANSITIONS IN SEMICONDUCTOR

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Date of Deposit: January 26, 2004

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- Fee Transmittal Form (2 pages: 1 original and 1 copy); 2.
- 3. Copy of Notice to File Missing Parts of Nonprovisional Application (2 pages);
- Declaration for Utility or Design Patent Application (2 pages); 4.
- Petition to Correct Filing Date and Supporting Exhibits (145 pages); 5.
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PATTERSON, BELKNAP, WEBB & TYLER LLP

1133 Avenue of the Americas New York, NY 10036-6710 Telephone: (212) 336-2000

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Sectial No. N/A Sectial No. N/A Filing Date Differ Properties 101 87 CC TITLE 11SE OF DESP-LEVEL TRANSITIONS IN SEMICONDICTOR DEVICES	Filing Date Filed begins the No. 3 10165-000	0165-000 251155
Applicant: Janet L. Dan	Date	
The PTO has received:	Last Due Date:	
M Patent Application of 75	TM Application ITU Basis	
Pages (including claims & abstract) N Declaration or Designation Sheet	 □ Statement of Use □ Extension of Time 	
Drawings 16_ Sheet(s)/Figs. 1_ to 16	□ Notice of Appeal	٠
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